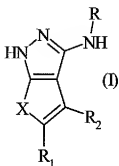


AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A bicyclo-pyrazole compound of formula (I):



wherein

X is NR', O, S, SO or SO₂;

each of R and R₁, being the same or different, is independently a hydrogen atom or an optionally substituted group selected from R', -COR', -COOR', -CONHR', -CONR'R", -SO₂R', -SO₂NHR' or -SO₂NR'R"; wherein each of R' and R", being the same or different, is independently selected from hydrogen or an optionally further substituted straight or branched C₁-C₆ alkyl, aryl or aryl-C₁-C₆ alkyl group;

R₂ is an optionally substituted group selected from R', -CH₂OR' and OR', wherein R' is as above defined; and the pharmaceutically acceptable salts thereof with the proviso that such compound is not 4-phenyl-5-(phenylsulfonyl)-2H-thienof[2,3-c]pyrazol-3-amine or 5-phenyl-1H-furo[2,3-c]pyrazol-3-amine.

2. (Original) A compound, according to claim 1, wherein X is S or O; R is -CONHR'; R₁ is -COR', -CONHR', -CONR'R", -SO₂NHR' or -SO₂NR'R", wherein each of R' and R", being the same or different, is selected from hydrogen or an optionally substituted straight or branched C₁-C₆ alkyl, aryl or aryl-C₁-C₆ alkyl group; R₂ is hydrogen; or a the pharmaceutically acceptable salt thereof.

3. (Original) A compound, according to claim 1, wherein X is S; R is -CONHR'; R₁ is -CONHR' or -CONR'R'', wherein each of R' and R'', being the same or different, is selected from hydrogen or an optionally substituted straight or branched C₁-C₆ alkyl, aryl or aryl-C₁-C₆ alkyl group; R₂ is hydrogen; or a pharmaceutically acceptable salt thereof.

4. (Currently Amended) A compound of formula (I) or a pharmaceutically acceptable salt, according to claim 1, ~~as defined in example 6 comprising:~~

1. N-benzyl-3-[(4-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
2. N-ethyl-3-[[4-(4-ethylpiperazin-1-yl)benzoyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
3. 3-[[4-(4-ethylpiperazin-1-yl)benzoyl]amino]-N-isopropyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;
4. N-benzyl-3-[[4-(4-ethylpiperazin-1-yl)benzoyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
5. N-{5-[(4-methylpiperazin-1-yl)carbonyl]-1H-thieno[2,3-c]pyrazol-3-yl}benzamide;
6. N-[5-(morpholin-4-ylcarbonyl)-1H-thieno[2,3-c]pyrazol-3-yl]benzamide;
7. 3-(benzoylamino)-N-(2-morpholin-4-ylethyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
8. 3-(benzoylamino)-N-phenyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;
9. 3-(benzoylamino)-N-(2-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
10. 3-(benzoylamino)-N-(4-cyanophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
11. 3-(benzoylamino)-N-(4-fluorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
12. 3-(benzoylamino)-N-(4-chlorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
13. 3-(benzoylamino)-N-(4-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
14. 3-(benzoylamino)-N-(4-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
15. 3-(benzoylamino)-N-(tert-butyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
16. 3-(benzoylamino)-N-isopropyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;
17. 3-(benzoylamino)-N-ethyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;
18. 2-fluoro-N-{5-[(4-methylpiperazin-1-yl)carbonyl]-1H-thieno[2,3-c]pyrazol-3-

yl}benzamide;

19. 2-fluoro-N-[5-(morpholin-4-ylcarbonyl)-1H-thieno[2,3-c]pyrazol-3-yl]benzamide;

20. 3-[(2-fluorobenzoyl)amino]-N-(2-morpholin-4-ylethyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

21. 3-[(2-fluorobenzoyl)amino]-N-phenyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;

22. 3-[(2-fluorobenzoyl)amino]-N-(2-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

23. N-(4-cyanophenyl)-3-[(2-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

24. 3-[(2-fluorobenzoyl)amino]-N-(4-fluorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

25. N-(4-chlorophenyl)-3-[(2-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

26. 3-[(2-fluorobenzoyl)amino]-N-(4-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

27. 3-[(2-fluorobenzoyl)amino]-N-(4-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

28. N-(tert-butyl)-3-[(2-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

29. 3-[(2-fluorobenzoyl)amino]-N-isopropyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;

30. N-ethyl-3-[(2-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

31. 2-chloro-N-{5-[(4-methylpiperazin-1-yl)carbonyl]-1H-thieno[2,3-c]pyrazol-3-yl}benzamide;

32. 2-chloro-N-[5-(morpholin-4-ylcarbonyl)-1H-thieno[2,3-c]pyrazol-3-yl]benzamide;

33. 3-[(2-chlorobenzoyl)amino]-N-(2-morpholin-4-ylethyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

34. 3-[(2-chlorobenzoyl)amino]-N-phenyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;

35. 3-[(2-chlorobenzoyl)amino]-N-(2-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-

carboxamide;

36. 3-[(2-chlorobenzoyl)amino]-N-(4-cyanophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

37. 3-[(2-chlorobenzoyl)amino]-N-(4-fluorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

38. 3-[(2-chlorobenzoyl)amino]-N-(4-chlorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

39. 3-[(2-chlorobenzoyl)amino]-N-(4-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

40. 3-[(2-chlorobenzoyl)amino]-N-(4-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

41. N-(tert-butyl)-3-[(2-chlorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

42. 3-[(2-chlorobenzoyl)amino]-N-isopropyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;

43. 3-[(2-chlorobenzoyl)amino]-N-ethyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;

44. 2-methoxy-N-{5-[(4-methylpiperazin-1-yl)carbonyl]-1H-thieno[2,3-c]pyrazol-3-yl}benzamide;

45. 2-methoxy-N-[5-(morpholin-4-ylcarbonyl)-1H-thieno[2,3-c]pyrazol-3-yl]benzamide;

46. 3-[(2-methoxybenzoyl)amino]-N-(2-morpholin-4-ylethyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

47. 3-[(2-methoxybenzoyl)amino]-N-phenyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;

48. 3-[(2-methoxybenzoyl)amino]-N-(2-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

49. N-(4-cyanophenyl)-3-[(2-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

50. N-(4-fluorophenyl)-3-[(2-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

51. N-(4-chlorophenyl)-3-[(2-methoxybenzoyl)amino]-1H-thienof[2,3-c]pyrazole-5-carboxamide;
52. 3-[(2-methoxybenzoyl)amino]-N-(4-methoxyphenyl)-1H-thienof[2,3-c]pyrazole-5-carboxamide;
53. 3-[(2-methoxybenzoyl)amino]-N-(4-methylphenyl)-1H-thienof[2,3-c]pyrazole-5-carboxamide;
54. N-(tert-butyl)-3-[(2-methoxybenzoyl)amino]-1H-thienof[2,3-c]pyrazole-5-carboxamide;
55. N-isopropyl-3-[(2-methoxybenzoyl)amino]-1H-thienof[2,3-c]pyrazole-5-carboxamide;
56. N-ethyl-3-[(2-methoxybenzoyl)amino]-1H-thienof[2,3-c]pyrazole-5-carboxamide;
57. 2-methyl-N-{5-[(4-methylpiperazin-1-yl)carbonyl]-1H-thienof[2,3-c]pyrazol-3-yl}benzamide;
58. 2-methyl-N-[5-(morpholin-4-ylcarbonyl)-1H-thienof[2,3-c]pyrazol-3-yl]benzamide;
59. 3-[(2-methylbenzoyl)amino]-N-(2-morpholin-4-ylethyl)-1H-thienof[2,3-c]pyrazole-5-carboxamide;
60. 3-[(2-methylbenzoyl)amino]-N-phenyl-1H-thienof[2,3-c]pyrazole-5-carboxamide;
61. 3-[(2-methylbenzoyl)amino]-N-(2-methylphenyl)-1H-thienof[2,3-c]pyrazole-5-carboxamide;
62. N-(4-cyanophenyl)-3-[(2-methylbenzoyl)amino]-1H-thienof[2,3-c]pyrazole-5-carboxamide;
63. N-(4-fluorophenyl)-3-[(2-methylbenzoyl)amino]-1H-thienof[2,3-c]pyrazole-5-carboxamide;
64. N-(4-chlorophenyl)-3-[(2-methylbenzoyl)amino]-1H-thienof[2,3-c]pyrazole-5-carboxamide;
65. N-(4-methoxyphenyl)-3-[(2-methylbenzoyl)amino]-1H-thienof[2,3-c]pyrazole-5-carboxamide;
66. 3-[(2-methylbenzoyl)amino]-N-(4-methylphenyl)-1H-thienof[2,3-c]pyrazole-5-carboxamide;

67. N-(tert-butyl)-3-[(2-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
68. N-isopropyl-3-[(2-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
69. N-ethyl-3-[(2-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
70. 3-methyl-N-{5-[(4-methylpiperazin-1-yl)carbonyl]-1H-thieno[2,3-c]pyrazol-3-yl}benzamide;
71. 3-methyl-N-[5-(morpholin-4-ylcarbonyl)-1H-thieno[2,3-c]pyrazol-3-yl]benzamide;
72. 3-[(3-methylbenzoyl)amino]-N-(2-morpholin-4-ylethyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
73. 3-[(3-methylbenzoyl)amino]-N-phenyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;
74. 3-[(3-methylbenzoyl)amino]-N-(2-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
75. N-(4-cyanophenyl)-3-[(3-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
76. N-(4-fluorophenyl)-3-[(3-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
77. N-(4-chlorophenyl)-3-[(3-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
78. N-(4-methoxyphenyl)-3-[(3-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
79. 3-[(3-methylbenzoyl)amino]-N-(4-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
80. N-(tert-butyl)-3-[(3-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
81. N-isopropyl-3-[(3-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
82. N-ethyl-3-[(3-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
83. 4-fluoro-N-{5-[(4-methylpiperazin-1-yl)carbonyl]-1H-thieno[2,3-c]pyrazol-3-yl}benzamide;
84. 4-fluoro-N-[5-(morpholin-4-ylcarbonyl)-1H-thieno[2,3-c]pyrazol-3-yl]benzamide;
85. 3-[(4-fluorobenzoyl)amino]-N-(2-morpholin-4-ylethyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
86. 3-[(4-fluorobenzoyl)amino]-N-phenyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;

87. 3-[(4-fluorobenzoyl)amino]-N-(2-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
88. N-(4-cyanophenyl)-3-[(4-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
89. 3-[(4-fluorobenzoyl)amino]-N-(4-fluorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
90. N-(4-chlorophenyl)-3-[(4-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
91. 3-[(4-fluorobenzoyl)amino]-N-(4-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
92. 3-[(4-fluorobenzoyl)amino]-N-(4-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
93. N-(tert-butyl)-3-[(4-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
94. 3-[(4-fluorobenzoyl)amino]-N-isopropyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;
95. N-ethyl-3-[(4-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
96. 4-chloro-N-{5-[(4-methylpiperazin-1-yl)carbonyl]-1H-thieno[2,3-c]pyrazol-3-yl}benzamide;
97. 4-chloro-N-[5-(morpholin-4-ylcarbonyl)-1H-thieno[2,3-c]pyrazol-3-yl]benzamide;
98. 3-[(4-chlorobenzoyl)amino]-N-(2-morpholin-4-ylethyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
99. 3-[(4-chlorobenzoyl)amino]-N-phenyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;
100. 3-[(4-chlorobenzoyl)amino]-N-(2-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
101. 3-[(4-chlorobenzoyl)amino]-N-(4-cyanophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
102. 3-[(4-chlorobenzoyl)amino]-N-(4-fluorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
103. 3-[(4-chlorobenzoyl)amino]-N-(4-chlorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
104. 3-[(4-chlorobenzoyl)amino]-N-(4-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-

carboxamide;

105. 3-[(4-chlorobenzoyl)amino]-N-(4-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

106. N-(tert-butyl)-3-[(4-chlorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

107. 3-[(4-chlorobenzoyl)amino]-N-isopropyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;

108. 3-[(4-chlorobenzoyl)amino]-N-ethyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;

109. 4-methoxy-N-{5-[(4-methylpiperazin-1-yl)carbonyl]-1H-thieno[2,3-c]pyrazol-3-yl}benzamide;

110. 4-methoxy-N-[5-(morpholin-4-ylcarbonyl)-1H-thieno[2,3-c]pyrazol-3-yl]benzamide;

111. 3-[(4-methoxybenzoyl)amino]-N-(2-morpholin-4-ylethyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

112. 3-[(4-methoxybenzoyl)amino]-N-phenyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;

113. 3-[(4-methoxybenzoyl)amino]-N-(2-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

114. N-(4-cyanophenyl)-3-[(4-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

115. N-(4-fluorophenyl)-3-[(4-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

116. N-(4-chlorophenyl)-3-[(4-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

117. 3-[(4-methoxybenzoyl)amino]-N-(4-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

118. 3-[(4-methoxybenzoyl)amino]-N-(4-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

119. N-(tert-butyl)-3-[(4-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

120. N-isopropyl-3-[(4-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
121. N-ethyl-3-[(4-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
122. 4-tert-butyl-N-{5-[(4-methylpiperazin-1-yl)carbonyl]-1H-thieno[2,3-c]pyrazol-3-yl}benzamide;
123. 4-tert-butyl-N-[5-(morpholin-4-ylcarbonyl)-1H-thieno[2,3-c]pyrazol-3-yl]benzamide;
124. 3-[(4-tert-butylbenzoyl)amino]-N-(2-morpholin-4-ylethyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
125. 3-[(4-tert-butylbenzoyl)amino]-N-phenyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;
126. 3-[(4-tert-butylbenzoyl)amino]-N-(2-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
127. 3-[(4-tert-butylbenzoyl)amino]-N-(4-cyanophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
128. 3-[(4-tert-butylbenzoyl)amino]-N-(4-fluorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
129. 3-[(4-tert-butylbenzoyl)amino]-N-(4-chlorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
130. 3-[(4-tert-butylbenzoyl)amino]-N-(4-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
131. 3-[(4-tert-butylbenzoyl)amino]-N-(4-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
132. N-(tert-butyl)-3-[(4-tert-butylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
133. 3-[(4-tert-butylbenzoyl)amino]-N-isopropyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;
134. 3-[(4-tert-butylbenzoyl)amino]-N-ethyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;
135. 4-methyl-N-{5-[(4-methylpiperazin-1-yl)carbonyl]-1H-thieno[2,3-c]pyrazol-3-yl}benzamide;

136. 4-methyl-N-[5-(morpholin-4-ylcarbonyl)-1H-thieno[2,3-c]pyrazol-3-yl]benzamide;
137. 3-[(4-methylbenzoyl)amino]-N-(2-morpholin-4-ylethyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
138. 3-[(4-methylbenzoyl)amino]-N-phenyl-1H-thieno[2,3-c]pyrazole-5-carboxamide;
139. 3-[(4-methylbenzoyl)amino]-N-(2-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
140. N-(4-cyanophenyl)-3-[(4-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
141. N-(4-fluorophenyl)-3-[(4-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
142. N-(4-chlorophenyl)-3-[(4-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
143. N-(4-methoxyphenyl)-3-[(4-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
144. 3-[(4-methylbenzoyl)amino]-N-(4-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
145. N-(tert-butyl)-3-[(4-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
146. N-isopropyl-3-[(4-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
147. N-ethyl-3-[(4-methylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
148. 3-[(3-fluorobenzoyl)amino]-N-(4-morpholin-4-ylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
149. N-(2-cyanophenyl)-3-[(3-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
150. 3-[(3-fluorobenzoyl)amino]-N-(2-fluorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
151. N-(2-chlorophenyl)-3-[(3-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

152. N-(2,6-dichlorophenyl)-3-[(3-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
153. 3-[(3-fluorobenzoyl)amino]-N-(2-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
154. N-(2,6-diethylphenyl)-3-[(3-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
155. N-(3-cyanophenyl)-3-[(3-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
156. 3-[(3-fluorobenzoyl)amino]-N-(3-fluorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
157. N-(3-chlorophenyl)-3-[(3-fluorobenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
158. 3-[(3-fluorobenzoyl)amino]-N-(3-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
159. 3-[(3-fluorobenzoyl)amino]-N-(3-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
160. 3-[(3-fluorobenzoyl)amino]-N-[4-(4-methylpiperazin-1-yl)phenyl]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
161. 3-[(3-chlorobenzoyl)amino]-N-(4-morpholin-4-ylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
162. 3-[(3-chlorobenzoyl)amino]-N-(2-cyanophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
163. 3-[(3-chlorobenzoyl)amino]-N-(2-fluorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
164. 3-[(3-chlorobenzoyl)amino]-N-(2-chlorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
165. 3-[(3-chlorobenzoyl)amino]-N-(2,6-dichlorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
166. 3-[(3-chlorobenzoyl)amino]-N-(2-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

167. 3-[(3-chlorobenzoyl)amino]-N-(2,6-diethylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
168. 3-[(3-chlorobenzoyl)amino]-N-(3-cyanophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
169. 3-[(3-chlorobenzoyl)amino]-N-(3-fluorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
170. 3-[(3-chlorobenzoyl)amino]-N-(3-chlorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
171. 3-[(3-chlorobenzoyl)amino]-N-(3-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
172. 3-[(3-chlorobenzoyl)amino]-N-(3-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
173. 3-[(3-chlorobenzoyl)amino]-N-[4-(4-methylpiperazin-1-yl)phenyl]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
174. 3-[(3-methoxybenzoyl)amino]-N-(4-morpholin-4-ylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
175. N-(2-cyanophenyl)-3-[(3-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
176. N-(2-fluorophenyl)-3-[(3-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
177. N-(2-chlorophenyl)-3-[(3-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
178. N-(2,6-dichlorophenyl)-3-[(3-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
179. 3-[(3-methoxybenzoyl)amino]-N-(2-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
180. N-(2,6-diethylphenyl)-3-[(3-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
181. N-(3-cyanophenyl)-3-[(3-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

182. N-(3-fluorophenyl)-3-[(3-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
183. N-(3-chlorophenyl)-3-[(3-methoxybenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
184. 3-[(3-methoxybenzoyl)amino]-N-(3-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
185. 3-[(3-methoxybenzoyl)amino]-N-(3-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
186. 3-[(3-methoxybenzoyl)amino]-N-[4-(4-methylpiperazin-1-yl)phenyl]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
187. N-(4-morpholin-4-ylphenyl)-3-[(phenylacetyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
188. N-(2-cyanophenyl)-3-[(phenylacetyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
189. N-(2-fluorophenyl)-3-[(phenylacetyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
190. N-(2-chlorophenyl)-3-[(phenylacetyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
191. N-(2,6-dichlorophenyl)-3-[(phenylacetyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
192. N-(2-methoxyphenyl)-3-[(phenylacetyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
193. N-(2,6-diethylphenyl)-3-[(phenylacetyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
194. N-(3-cyanophenyl)-3-[(phenylacetyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
195. N-(3-fluorophenyl)-3-[(phenylacetyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
196. N-(3-chlorophenyl)-3-[(phenylacetyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

197. N-(3-methoxyphenyl)-3-[(phenylacetyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
198. N-(3-methylphenyl)-3-[(phenylacetyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
199. N-[4-(4-methylpiperazin-1-yl)phenyl]-3-[(phenylacetyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
200. 3-[(2-fluorophenyl)acetyl]amino}-N-(4-morpholin-4-ylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
201. N-(2-cyanophenyl)-3-[(2-fluorophenyl)acetyl]amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
202. N-(2-fluorophenyl)-3-[(2-fluorophenyl)acetyl]amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
203. N-(2-chlorophenyl)-3-[(2-fluorophenyl)acetyl]amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
204. N-(2,6-dichlorophenyl)-3-[(2-fluorophenyl)acetyl]amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
205. 3-[(2-fluorophenyl)acetyl]amino}-N-(2-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
206. N-(2,6-diethylphenyl)-3-[(2-fluorophenyl)acetyl]amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
207. N-(3-cyanophenyl)-3-[(2-fluorophenyl)acetyl]amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
208. N-(3-fluorophenyl)-3-[(2-fluorophenyl)acetyl]amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
209. N-(3-chlorophenyl)-3-[(2-fluorophenyl)acetyl]amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
210. 3-[(2-fluorophenyl)acetyl]amino}-N-(3-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
211. 3-[(2-fluorophenyl)acetyl]amino}-N-(3-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

212. 3-{{(2-fluorophenyl)acetyl}amino}-N-[4-(4-methylpiperazin-1-yl)phenyl]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
213. 3-{{(2-methylphenyl)acetyl}amino}-N-(4-morpholin-4-ylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
214. N-(2-cyanophenyl)-3-{{(2-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
215. N-(2-fluorophenyl)-3-{{(2-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
216. N-(2-chlorophenyl)-3-{{(2-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
217. N-(2,6-dichlorophenyl)-3-{{(2-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
218. N-(2-methoxyphenyl)-3-{{(2-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
219. N-(2,6-diethylphenyl)-3-{{(2-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
220. N-(3-cyanophenyl)-3-{{(2-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
221. N-(3-fluorophenyl)-3-{{(2-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
222. N-(3-chlorophenyl)-3-{{(2-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
223. N-(3-methoxyphenyl)-3-{{(2-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
224. N-(3-methylphenyl)-3-{{(2-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
225. 3-{{(2-methylphenyl)acetyl}amino}-N-[4-(4-methylpiperazin-1-yl)phenyl]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
226. 3-{{(4-fluorophenyl)acetyl}amino}-N-(4-morpholin-4-ylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

227. N-(2-cyanophenyl)-3-{{(4-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
228. N-(2-fluorophenyl)-3-{{(4-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
229. N-(2-chlorophenyl)-3-{{(4-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
230. N-(2,6-dichlorophenyl)-3-{{(4-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
231. 3-{{(4-fluorophenyl)acetyl}amino}-N-(2-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
232. N-(2,6-diethylphenyl)-3-{{(4-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
233. N-(3-cyanophenyl)-3-{{(4-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
234. N-(3-fluorophenyl)-3-{{(4-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
235. N-(3-chlorophenyl)-3-{{(4-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
236. 3-{{(4-fluorophenyl)acetyl}amino}-N-(3-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
237. 3-{{(4-fluorophenyl)acetyl}amino}-N-(3-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
238. 3-{{(4-fluorophenyl)acetyl}amino}-N-[4-(4-methylpiperazin-1-yl)phenyl]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
239. 3-{{(4-chlorophenyl)acetyl}amino}-N-(4-morpholin-4-ylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
240. 3-{{(4-chlorophenyl)acetyl}amino}-N-(2-cyanophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
241. 3-{{(4-chlorophenyl)acetyl}amino}-N-(2-fluorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

242. N-(2-chlorophenyl)-3-{{(4-chlorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
243. 3-{{(4-chlorophenyl)acetyl}amino}-N-(2,6-dichlorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
244. 3-{{(4-chlorophenyl)acetyl}amino}-N-(2-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
245. 3-{{(4-chlorophenyl)acetyl}amino}-N-(2,6-diethylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
246. 3-{{(4-chlorophenyl)acetyl}amino}-N-(3-cyanophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
247. 3-{{(4-chlorophenyl)acetyl}amino}-N-(3-fluorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
248. N-(3-chlorophenyl)-3-{{(4-chlorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
249. 3-{{(4-chlorophenyl)acetyl}amino}-N-(3-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
250. 3-{{(4-chlorophenyl)acetyl}amino}-N-(3-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
251. 3-{{(4-chlorophenyl)acetyl}amino}-N-[4-(4-methylpiperazin-1-yl)phenyl]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
252. 3-{{(4-methoxyphenyl)acetyl}amino}-N-(4-morpholin-4-ylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
253. N-(2-cyanophenyl)-3-{{(4-methoxyphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
254. N-(2-fluorophenyl)-3-{{(4-methoxyphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
255. N-(2-chlorophenyl)-3-{{(4-methoxyphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
256. N-(2,6-dichlorophenyl)-3-{{(4-methoxyphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;

257. N-(2-methoxyphenyl)-3-{{(4-methoxyphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
258. N-(2,6-diethylphenyl)-3-{{(4-methoxyphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
259. N-(3-cyanophenyl)-3-{{(4-methoxyphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
260. N-(3-fluorophenyl)-3-{{(4-methoxyphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
261. N-(3-chlorophenyl)-3-{{(4-methoxyphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
262. N-(3-methoxyphenyl)-3-{{(4-methoxyphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
263. 3-{{(4-methoxyphenyl)acetyl}amino}-N-(3-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
264. 3-{{(4-methoxyphenyl)acetyl}amino}-N-[4-(4-methylpiperazin-1-yl)phenyl]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
265. 3-{{(4-methylphenyl)acetyl}amino}-N-(4-morpholin-4-ylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
266. N-(2-cyanophenyl)-3-{{(4-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
267. N-(2-fluorophenyl)-3-{{(4-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
268. N-(2-chlorophenyl)-3-{{(4-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
269. N-(2,6-dichlorophenyl)-3-{{(4-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
270. N-(2-methoxyphenyl)-3-{{(4-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
271. N-(2,6-diethylphenyl)-3-{{(4-methylphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;

272. N-(3-cyanophenyl)-3-[[4-methylphenyl]acetyl]amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
273. N-(3-fluorophenyl)-3-[[4-methylphenyl]acetyl]amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
274. N-(3-chlorophenyl)-3-[[4-methylphenyl]acetyl]amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
275. N-(3-methoxyphenyl)-3-[[4-methylphenyl]acetyl]amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
276. N-(3-methylphenyl)-3-[[4-methylphenyl]acetyl]amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
277. 3-[[4-methylphenyl]acetyl]amino}-N-[4-(4-methylpiperazin-1-yl)phenyl]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
278. 3-[[4-tert-butylphenyl]acetyl]amino}-N-(4-morpholin-4-ylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
279. 3-[[4-tert-butylphenyl]acetyl]amino}-N-(2-cyanophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
280. 3-[[4-tert-butylphenyl]acetyl]amino}-N-(2-fluorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
281. 3-[[4-tert-butylphenyl]acetyl]amino}-N-(2-chlorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
282. 3-[[4-tert-butylphenyl]acetyl]amino}-N-(2,6-dichlorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
283. 3-[[4-tert-butylphenyl]acetyl]amino}-N-(2-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
284. 3-[[4-tert-butylphenyl]acetyl]amino}-N-(2,6-diethylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
285. 3-[[4-tert-butylphenyl]acetyl]amino}-N-(3-cyanophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
286. 3-[[4-tert-butylphenyl]acetyl]amino}-N-(3-fluorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

287. 3-{{(4-tert-butylphenyl)acetyl}amino}-N-(3-chlorophenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
288. 3-{{(4-tert-butylphenyl)acetyl}amino}-N-(3-methoxyphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
289. 3-{{(4-tert-butylphenyl)acetyl}amino}-N-(3-methylphenyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
290. 3-{{(4-tert-butylphenyl)acetyl}amino}-N-[4-(4-methylpiperazin-1-yl)phenyl]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
291. N-benzyl-3-{{(2-chlorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
292. 3-{{(2-chlorophenyl)acetyl}amino}-N-(2-fluorobenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
293. N-(2-chlorobenzyl)-3-{{(2-chlorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
294. 3-{{(2-chlorophenyl)acetyl}amino}-N-(2-methoxybenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
295. 3-{{(2-chlorophenyl)acetyl}amino}-N-(2-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
296. 3-{{(2-chlorophenyl)acetyl}amino}-N-(3-fluorobenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
297. 3-{{(2-chlorophenyl)acetyl}amino}-N-(3-methoxybenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
298. 3-{{(2-chlorophenyl)acetyl}amino}-N-(3-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
299. 3-{{(2-chlorophenyl)acetyl}amino}-N-(4-fluorobenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
300. N-(4-chlorobenzyl)-3-{{(2-chlorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
301. 3-{{(2-chlorophenyl)acetyl}amino}-N-(4-methoxybenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

302. 3-(((2-chlorophenyl)acetyl)amino)-N-(4-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
303. N-(3-chlorobenzyl)-3-(((2-chlorophenyl)acetyl)amino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
304. N-benzyl-3-(((2-methoxyphenyl)acetyl)amino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
305. N-(2-fluorobenzyl)-3-(((2-methoxyphenyl)acetyl)amino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
306. N-(2-chlorobenzyl)-3-(((2-methoxyphenyl)acetyl)amino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
307. N-(2-methoxybenzyl)-3-(((2-methoxyphenyl)acetyl)amino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
308. 3-(((2-methoxyphenyl)acetyl)amino)-N-(2-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
309. N-(3-fluorobenzyl)-3-(((2-methoxyphenyl)acetyl)amino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
310. N-(3-methoxybenzyl)-3-(((2-methoxyphenyl)acetyl)amino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
311. 3-(((2-methoxyphenyl)acetyl)amino)-N-(3-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
312. N-(4-fluorobenzyl)-3-(((2-methoxyphenyl)acetyl)amino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
313. N-(4-chlorobenzyl)-3-(((2-methoxyphenyl)acetyl)amino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
314. N-(4-methoxybenzyl)-3-(((2-methoxyphenyl)acetyl)amino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
315. 3-(((2-methoxyphenyl)acetyl)amino)-N-(4-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
316. N-(3-chlorobenzyl)-3-(((2-methoxyphenyl)acetyl)amino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

317. N-benzyl-3-{{(3-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
318. N-(2-fluorobenzyl)-3-{{(3-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
319. N-(2-chlorobenzyl)-3-{{(3-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
320. 3-{{(3-fluorophenyl)acetyl}amino}-N-(2-methoxybenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
321. 3-{{(3-fluorophenyl)acetyl}amino}-N-(2-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
322. N-(3-fluorobenzyl)-3-{{(3-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
323. 3-{{(3-fluorophenyl)acetyl}amino}-N-(3-methoxybenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
324. 3-{{(3-fluorophenyl)acetyl}amino}-N-(3-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
325. N-(4-fluorobenzyl)-3-{{(3-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
326. N-(4-chlorobenzyl)-3-{{(3-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
327. 3-{{(3-fluorophenyl)acetyl}amino}-N-(4-methoxybenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
328. 3-{{(3-fluorophenyl)acetyl}amino}-N-(4-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
329. N-(3-chlorobenzyl)-3-{{(3-fluorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
330. N-benzyl-3-{{(3-chlorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
331. 3-{{(3-chlorophenyl)acetyl}amino}-N-(2-fluorobenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

332. N-(2-chlorobenzyl)-3-{{(3-chlorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
333. 3-{{(3-chlorophenyl)acetyl}amino}-N-(2-methoxybenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
334. 3-{{(3-chlorophenyl)acetyl}amino}-N-(2-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
335. 3-{{(3-chlorophenyl)acetyl}amino}-N-(3-fluorobenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
336. 3-{{(3-chlorophenyl)acetyl}amino}-N-(3-methoxybenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
337. 3-{{(3-chlorophenyl)acetyl}amino}-N-(3-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
338. 3-{{(3-chlorophenyl)acetyl}amino}-N-(4-fluorobenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
339. N-(4-chlorobenzyl)-3-{{(3-chlorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
340. 3-{{(3-chlorophenyl)acetyl}amino}-N-(4-methoxybenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
341. 3-{{(3-chlorophenyl)acetyl}amino}-N-(4-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
342. N-(3-chlorobenzyl)-3-{{(3-chlorophenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
343. N-benzyl-3-{{(3-methoxyphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
344. N-(2-fluorobenzyl)-3-{{(3-methoxyphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
345. N-(2-chlorobenzyl)-3-{{(3-methoxyphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;
346. N-(2-methoxybenzyl)-3-{{(3-methoxyphenyl)acetyl}amino}-1H-thieno[2,3-c]pyrazole-5-carboxamide;

347. 3-[[(3-methoxyphenyl)acetyl]amino]-N-(2-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

348. N-(3-fluorobenzyl)-3-[[(3-methoxyphenyl)acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

349. N-(3-methoxybenzyl)-3-[[(3-methoxyphenyl)acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

350. 3-[[(3-methoxyphenyl)acetyl]amino]-N-(3-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

351. N-(4-fluorobenzyl)-3-[[(3-methoxyphenyl)acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

352. N-(4-chlorobenzyl)-3-[[(3-methoxyphenyl)acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

353. N-(4-methoxybenzyl)-3-[[(3-methoxyphenyl)acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

354. 3-[[(3-methoxyphenyl)acetyl]amino]-N-(4-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

355. N-(3-chlorobenzyl)-3-[[(3-methoxyphenyl)acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

356. N-benzyl-3-[[(3-methylphenyl)acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

357. N-(2-fluorobenzyl)-3-[[(3-methylphenyl)acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

358. N-(2-chlorobenzyl)-3-[[(3-methylphenyl)acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

359. N-(2-methoxybenzyl)-3-[[(3-methylphenyl)acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

360. N-(2-methylbenzyl)-3-[[(3-methylphenyl)acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

361. N-(3-fluorobenzyl)-3-[[(3-methylphenyl)acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

362. N-(3-methoxybenzyl)-3-[[3-methylphenyl]acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
363. N-(3-methylbenzyl)-3-[[3-methylphenyl]acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
364. N-(4-fluorobenzyl)-3-[[3-methylphenyl]acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
365. N-(4-chlorobenzyl)-3-[[3-methylphenyl]acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
366. N-(4-methoxybenzyl)-3-[[3-methylphenyl]acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
367. N-(4-methylbenzyl)-3-[[3-methylphenyl]acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
368. N-(3-chlorobenzyl)-3-[[3-methylphenyl]acetyl]amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
369. N-benzyl-3-[(thien-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
370. N-(2-fluorobenzyl)-3-[(thien-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
371. N-(2-chlorobenzyl)-3-[(thien-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
372. N-(2-methoxybenzyl)-3-[(thien-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
373. N-(2-methylbenzyl)-3-[(thien-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
374. N-(3-fluorobenzyl)-3-[(thien-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
375. N-(3-methoxybenzyl)-3-[(thien-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
376. N-(3-methylbenzyl)-3-[(thien-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

377. N-(4-fluorobenzyl)-3-[(thien-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
378. N-(4-chlorobenzyl)-3-[(thien-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
379. N-(4-methoxybenzyl)-3-[(thien-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
380. N-(4-methylbenzyl)-3-[(thien-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
381. N-(3-chlorobenzyl)-3-[(thien-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;
382. N-benzyl-3-(isonicotinoylamino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
383. N-(2-fluorobenzyl)-3-(isonicotinoylamino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
384. N-(2-chlorobenzyl)-3-(isonicotinoylamino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
385. 3-(isonicotinoylamino)-N-(2-methoxybenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
386. 3-(isonicotinoylamino)-N-(2-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
387. N-(3-fluorobenzyl)-3-(isonicotinoylamino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
388. 3-(isonicotinoylamino)-N-(3-methoxybenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
389. 3-(isonicotinoylamino)-N-(3-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
390. N-(4-fluorobenzyl)-3-(isonicotinoylamino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
391. N-(4-chlorobenzyl)-3-(isonicotinoylamino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;
392. 3-(isonicotinoylamino)-N-(4-methoxybenzyl)-1H-thieno[2,3-c]pyrazole-5-

carboxamide;

393. 3-(isonicotinoylamino)-N-(4-methylbenzyl)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

394. N-(3-chlorobenzyl)-3-(isonicotinoylamino)-1H-thieno[2,3-c]pyrazole-5-carboxamide;

395. N-benzyl-3-[(1,3-thiazol-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

396. N-(2-fluorobenzyl)-3-[(1,3-thiazol-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

397. N-(2-chlorobenzyl)-3-[(1,3-thiazol-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

398. N-(2-methoxybenzyl)-3-[(1,3-thiazol-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

399. N-(2-methylbenzyl)-3-[(1,3-thiazol-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

400. N-(3-fluorobenzyl)-3-[(1,3-thiazol-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

401. N-(3-methoxybenzyl)-3-[(1,3-thiazol-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

402. N-(3-methylbenzyl)-3-[(1,3-thiazol-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

403. N-(4-fluorobenzyl)-3-[(1,3-thiazol-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

404. N-(4-chlorobenzyl)-3-[(1,3-thiazol-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

405. N-(4-methoxybenzyl)-3-[(1,3-thiazol-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

406. N-(4-methylbenzyl)-3-[(1,3-thiazol-2-ylcarbonyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

407. N-(3-chlorobenzyl)-3-[(1,3-thiazol-2-ylcarbonyl)amino]-1H-thieno[2,3-

c]pyrazole-5-carboxamide;

408. N-benzyl-3-{{[4-(4-methylpiperazin-1-yl)benzoyl]amino}-1H-thienof[2,3-c]pyrazole-5-carboxamide;

409. N-(2-fluorobenzyl)-3-{{[4-(4-methylpiperazin-1-yl)benzoyl]amino}-1H-thienof[2,3-c]pyrazole-5-carboxamide;

410. N-(2-chlorobenzyl)-3-{{[4-(4-methylpiperazin-1-yl)benzoyl]amino}-1H-thienof[2,3-c]pyrazole-5-carboxamide;

411. N-(2-methoxybenzyl)-3-{{[4-(4-methylpiperazin-1-yl)benzoyl]amino}-1H-thienof[2,3-c]pyrazole-5-carboxamide;

412. N-(2-methylbenzyl)-3-{{[4-(4-methylpiperazin-1-yl)benzoyl]amino}-1H-thienof[2,3-c]pyrazole-5-carboxamide;

413. N-(3-fluorobenzyl)-3-{{[4-(4-methylpiperazin-1-yl)benzoyl]amino}-1H-thienof[2,3-c]pyrazole-5-carboxamide;

414. N-(3-methoxybenzyl)-3-{{[4-(4-methylpiperazin-1-yl)benzoyl]amino}-1H-thienof[2,3-c]pyrazole-5-carboxamide;

415. N-(3-methylbenzyl)-3-{{[4-(4-methylpiperazin-1-yl)benzoyl]amino}-1H-thienof[2,3-c]pyrazole-5-carboxamide;

416. N-(4-fluorobenzyl)-3-{{[4-(4-methylpiperazin-1-yl)benzoyl]amino}-1H-thienof[2,3-c]pyrazole-5-carboxamide;

417. N-(4-chlorobenzyl)-3-{{[4-(4-methylpiperazin-1-yl)benzoyl]amino}-1H-thienof[2,3-c]pyrazole-5-carboxamide;

418. N-(4-methoxybenzyl)-3-{{[4-(4-methylpiperazin-1-yl)benzoyl]amino}-1H-thienof[2,3-c]pyrazole-5-carboxamide;

419. N-(4-methylbenzyl)-3-{{[4-(4-methylpiperazin-1-yl)benzoyl]amino}-1H-thienof[2,3-c]pyrazole-5-carboxamide;

420. N-(3-chlorobenzyl)-3-{{[4-(4-methylpiperazin-1-yl)benzoyl]amino}-1H-thienof[2,3-c]pyrazole-5-carboxamide;

421. N-benzyl-3-[(4-morpholin-4-ylbenzoyl)amino]-1H-thienof[2,3-c]pyrazole-5-carboxamide;

422. N-(2-fluorobenzyl)-3-[(4-morpholin-4-ylbenzoyl)amino]-1H-thienof[2,3-

c]pyrazole-5-carboxamide;

423. N-(2-chlorobenzyl)-3-[(4-morpholin-4-ylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

424. N-(2-methoxybenzyl)-3-[(4-morpholin-4-ylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

425. N-(2-methylbenzyl)-3-[(4-morpholin-4-ylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

426. N-(3-fluorobenzyl)-3-[(4-morpholin-4-ylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

427. N-(3-methoxybenzyl)-3-[(4-morpholin-4-ylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

428. N-(3-methylbenzyl)-3-[(4-morpholin-4-ylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

429. N-(4-fluorobenzyl)-3-[(4-morpholin-4-ylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

430. N-(4-chlorobenzyl)-3-[(4-morpholin-4-ylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

431. N-(4-methoxybenzyl)-3-[(4-morpholin-4-ylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide;

432. N-(4-methylbenzyl)-3-[(4-morpholin-4-ylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide; or

433. N-(3-chlorobenzyl)-3-[(4-morpholin-4-ylbenzoyl)amino]-1H-thieno[2,3-c]pyrazole-5-carboxamide.

5. (Original) A compound of formula (I) or a pharmaceutically acceptable salt, according to claim 1, which is tert-butyl 3-amino-1H-thieno[2,3-c]pyrazole-5-carboxylate.

6. (Original) A compound of formula (I) or a pharmaceutically acceptable salt thereof, as defined in claim 1, for use as a medicament.

7. (Cancelled)

8. (Previously Presented) A method for treating a mammal, including humans, suffering from a disease caused by and/or associated with an altered (dysregulated) protein kinase activity, which comprises administering to said mammal in need thereof a therapeutically effective amount of a bicyclo-pyrazole compound of formula (I), or a pharmaceutically acceptable salt thereof, as defined in claim 1.

9. (Original) The method of claim 8, wherein the disease caused by and/or associated with an altered protein kinase activity is selected from the group consisting of cancer, cell proliferative disorders, Alzheimer's disease, viral infections, autoimmune diseases and neurodegenerative disorders.

10. (Original) The method of claim 9, wherein the cancer is selected from the group consisting of carcinoma, squamous cell carcinoma, hematopoietic tumors of myeloid or lymphoid lineage, tumors of mesenchymal origin, tumors of the central and peripheral nervous system, melanoma, seminoma, teratocarcinoma, osteosarcoma, xeroderma pigmentosum, keratoxanthomas, thyroid follicular cancer and Kaposi's sarcoma.

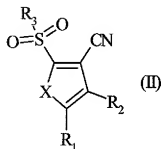
11. (Original) The method of claim 9, wherein the cell proliferative disorder is selected from the group consisting of benign prostate hyperplasia, familial adenomatosis polyposis, neuro-fibromatosis, psoriasis, vascular smooth cell proliferation associated with atherosclerosis, pulmonary fibrosis, arthritis glomerulonephritis and post-surgical stenosis and restenosis.

12. (Original) The method of claim 8, which provides tumor angiogenesis and metastasis inhibition.

13. (Currently Amended) Use of a compound of formula (I) or of a pharmaceutically acceptable salt thereof, as defined in claim 1, in the manufacture of a medicament for A method of treating a patient suffering from a disease caused by and/or associated with an altered protein kinase activity, wherein in a said patient is undergoing a simultaneous simultaneous, separate or sequential anticancer treatment, comprising administering to said patient a therapeutically effective amount of a compound of formula (I) or of a pharmaceutically acceptable salt thereof, as defined in claim 1.

14. (Currently Amended) A process for preparing a compound of formula (I) and the pharmaceutically acceptable salts thereof as defined in claim 1, which process comprises:

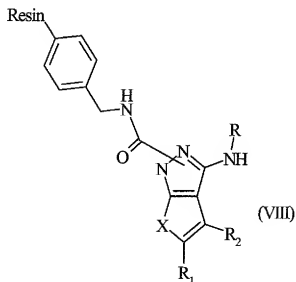
a) reacting a compound of formula (II)



wherein R₁, R₂ and X are as defined in claim 1 and R₃ is a lower alkyl group, with hydrazine or a hydrazine salt, so as to obtain a compound of formula (I) wherein R is hydrogen and R₁, R₂ and X are as defined above; and, if desired,

b) converting the thus obtained compound of formula (I) into another compound of formula (I) wherein R is other than a hydrogen atom; and/or, if desired, converting the compound of formula (I) into a pharmaceutically acceptable salt thereof and/or the salt of a compound of formula (I) into a free compound thereof.

15. (Original) A combinatorial chemical library comprising a plurality of members of formula (VIII)



wherein

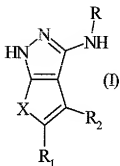
X is NR', O, S, SO or SO₂;

each of **R** and **R**₁, being the same or different, is independently a hydrogen atom or an optionally substituted group selected from R', -COR', -COOR', -CONHR', -CONR'R", -SO₂R', -SO₂NHR' or -SO₂NR'R"; wherein each of R' and R", being the same or different, is independently selected from hydrogen or an optionally further substituted straight or branched C₁-C₆ alkyl, aryl or aryl-C₁-C₆ alkyl group;

R₂ is an optionally substituted group selected from R', -CH₂OR' and OR', wherein R' is as above defined; and the pharmaceutically acceptable salts thereof.

16. (Currently Amended) The library of claim 15 wherein the resin is a polystyrenic resin ~~such as a methylisocyanate polystyrenic resin.~~

17. (Currently Amended) A chemical library of compounds comprising two or more derivatives of formula (I)



wherein

X is NR', O, S, SO or SO₂;

each of **R** and **R**₁, being the same or different, is independently a hydrogen atom or an optionally substituted group selected from R', -COR', -COOR', -CONHR', -CONR'R", -SO₂R', -SO₂NHR' or -SO₂NR'R"; wherein each of R' and R", being the same or different, is independently selected from hydrogen or an optionally further substituted straight or branched C₁-C₆ alkyl, aryl or aryl-C₁-C₆ alkyl group;

R₂ is an optionally substituted group selected from R', -CH₂OR' and OR', wherein R' is as above defined; and the pharmaceutically acceptable salts thereof with the proviso that such derivatives are not 4-phenyl-5-(phenylsulfonyl)-2H-thieno[2,3-c]pyrazol-3-amine or 5-phenyl-1H-furo[2,3-c]pyrazol-3-amine.

18. (New) The polystyrenic resin according to claim 16 wherein said resin is methylisocyanate polystyrenic resin.